KARPOVA, N.I. (Leningrad)

Changes in the peripheral nerve branches under the effect of vibration; experimental research. Arkh. apt. 25 no.7:49-53 '63 (MIRA 16:12)

1. Iz Leningradskogo sanitamc-gigiyenicheskogo instituta.

KARPOVA, N.I.; IVANOVA, A.M.

Our practice. Apt.delo. 8 no.1:48-51 Ja-F '59. (MIRA 12:2)

1. Upravlyayushchaya aptekoy No.11, Leningrad (for Karpova).

2. Upravlyayushchaya aptekoy No.35, Moskva (for Ivanova).

(FHARMACISTS)

KARPOV, Boris Dmitriyevich; KARPOVA, Nadezhda Ivanovna; SHAGAN, I.B., red.; LEBEDEVA, G.T., Tokhm. red.

[Work hygione in the plastics industry (luminates)]Gigiena truda v proizvodatve plasticheskikh mass; sloistve plastiki.

Leningrad, Medgiz, 1962. 30 p. (MIRA 15:9)

(Plastics industry—Hygienic aspects)

ANDREYEVA-GALANINA, Ye.TS., prof.; KARPOVA, N.I., kand.med.nauk

Noise is harmful. Med. sestra 21 no.1:25-28 Ja '62. (MIRA 15:3)

(NOISE—PHYSIOLOGICAL EFFECT)

AND REGISER ASSESSMENT ROLL ASSESSMENT AND A

KARPOVA, N.I.

Pathomorphological changes in the rabbit spinal cord in local vibration. Trudy LSGMI 75:20-24 163.

Functional changes in the central nervous system in local vibration. Ibid.:51-56 (MIRA 17:4)

l. Iz kafedry gigiyeny truda s klinikov professional'nykh zabolevaniy (zav. kafedroy - prof. Ye.TS. Andreyeva-Galanina) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

ANDREYEVA-GALANINA, Yo.TS; KARPOVA, N.I. (Leningrad)

Materials on the pathogenesis of the vibration disease. Cig. truda i prof. zab. 7 no.1:4-9 Ja 63 (MIRA 16:12)

1. Sanitarno-gigiyenicheskiy meditsinskiy institut, Leningrad.

FRIDRIKH, A.R.; KARPOVA, N.L., red.; MEDVEDHVA, M.A., tekhn.red.

[General cultural work among railroad employees; from the practice of trade-union organizations and cultural organizations of railroad transport] Kul'turno-massovaia rabota aredi zheleznodorozhnikov; is opyta raboty profaciuznykh organizataii i kul'turno-prosvetitel'nykh uchrezhdenii zheleznodorozhnogo transporta.

Moskva, Vses.izdatel'sko-poligr.ob*edinenie M-va putei soobshcheniia, 1960. 102 p. (MIRA 13:6)

(Railroads--Employees--Education and training)

TOLKACHEVA, M.M.; KARPOVA, N.L., red.; BORROVA, Ye.N., tekhn.red.

[Organization of the work of locomotive crews] Organizatsiia truda lokomotivnykh brigad. Moksva, Vses. izd-ko-poligr.ob*edinenie m-va putei soob., 1960. 109 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.197).

(MIRA 13:11)

(Locomotives)

(Railroads-Freight)

I o losta i politica de la composició de

HIKCHAYEV, Lev Aleksandrovich, prof., doktor khim.nauk; KARPOVA, N.L.,
red.; BOBROVA, Ye.N., tekhn.red.

[Synthetic materials and their application in railroad equipment]
Sinteticheskie materialy i ikh primenenie v zheleznodorozhnoi
tekhnike. Moskva, Vese,izdavel'sko-poligr.ob*edinenie M-va putei
soobshcheniia. 1960. 130 p.

(Hailroads—Equipment and supplies)

(Synthetic products)

ARKHANGKL'SKIY, Anatoliy Serapionovich; IVLIYEVA, I.V., red.; POTAPOVA, V.P., red.; KARPOVA, H.L., red.; BORROVA, Ve.N., tekhn.red.

[Transportation rates] Transportnye tarify. Moskva, Vses. izdatel'sko-poligr.ob*edinenie M-va putei soobshcheniia, 1960.

290 p. (MIRA 13:12)

(Transportation--Rates)

DOBRUSHIN, V.A.; MILOVANOV, V.S.; KARPOVA, N.L., red.; KHITROV, P.A., tekhn. red.

[Bibliographical guide to the publications of the State Publishing House for Reilroad Transportation Literature, 1950-1959] Bibliograficheskii sprevochnik izdanii transzheldorizdata, 1950-1959. Moskva, Vses. izdatel'skopoligr. ob edinenie M-va putei soobshchemiia, 1961. 345 p. (MIRA 14:5)

(Bibliography--Railroads)

KARFOVA, N.L., red.; KHITROV, P.A., tokhn.red.

[Traveler's guidebook] Spravochnik passazhira. Moskva, Transzheldorizdat, 1961. 358 p.

(MIRA 14:6)

(Transportation—Passenger treffic)

VOLKOV, Anatoliy Mikhaylovich; PIRIN, I.V., retsenzent; ZHDANOV, P.A., retsenzent; KARPOVA, N.L., red.; VOROTNIKOVA, L.F., tekhm. red.

[Reducing the noise and vibrations of rolling stock] Umen'shenie shuma i vibratsii podvizhnogo sostava. Moskva, Vses. izdatel'sko-poligraf. obmedinenie M-va putei soobshcheniia, 1961. 62 p.

(MIRA 14:10)

(Railroads—Rolling stock)

PAKHMAN, T.A., kand.ekon.nauk, red.; KARPOVA, N.L., red.; MEDVEDEVA, M.A., tekhn.red.

[Improving the organization of grain transportation] Ratsionalizatsiia perevozok khlebnykh gruzov. Moskva, Vses.izdatel'sko-poligr. ob*edinenie m-va putei soob., 1960. 134 p. (Roscow. Vsesoiuznyi nauchno-issledovatel'skii institut shelesnodorozhnogo transporta. Trudy, no.200). (MIRA 1425)

PILETSKIY, V.A.; SOLOVEYCHIK, M.A.; KIYSHNIKO7, F.L.; BABADZHANOVA, V.I.;
LITSENKO, I.G.; KAMINSKIY, Yu.K.; FRIDMAN, M.I.; KARPOVA, N.L.,
red.; BOBROVA, Ye.N., tekhm. red.

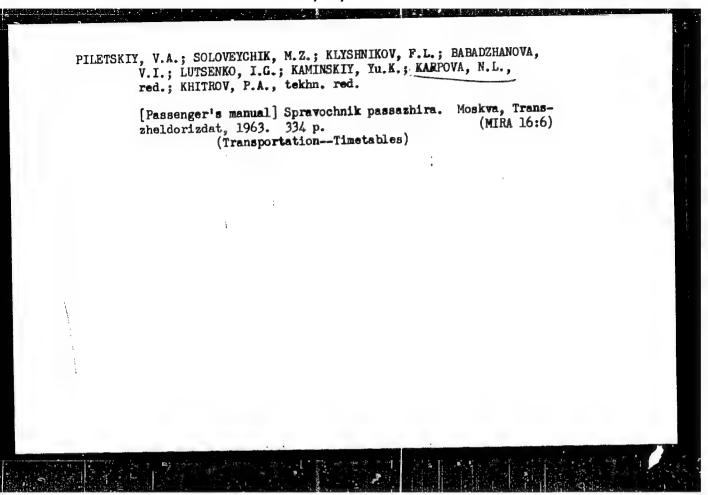
[Passenger's handbook] Spravochnik passazhira. Moskva, Transzheldorizdat, 1962. 367 p. (MIRA 15:6)

(Transportation—Timetables)

KRICH, Boris Vladimirovich; SHAFIRKIN, B.I., retsenzent; KARPOVA,
N.L., red.; DROZDOVA, N.D., tekhn. red.

[Ways for a more efficient organization of freight
transportation] Puti ratsionalizatsii perevozok. Moskva,
Transzheldorizdat, 1963. 74 p. (MIRA 16:6)

(Freight and freightage)



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RABKIN, Yefim Borisovich, prof.; SOKOLOVA, Yelena Georgiyevna, kand. med. nauk; FRID, Yudol'f Vladinirovich, kand. tekhn. nauk; KOVAL'SKIY, Nikolay Nikolayevich, inzh.-khim.; CHERNIGOVSKIY, V.N., akademik, red.; KARPOVA, N.L., red.

[Aid for efficient color schemes; with colorimetrical index of samples] Rukovodstvo po ratsional nomu tsveto-vomu oformleniu; s naborom kolorimetrirovamykh obraztsov tsvetov. Moskva, Izd-vo "Transport," 1964. 46 p. (MIRA 17:4)

1. Predsedatel' komissii po fiziologicheskoy optike pri Institute fiziologii im. I.P.Pavlova AN SSSR (for Chernigovskiy).

Use of hydrocyclones for the flotation of coal fines. Stor. inform.
po obog. i brik. ugl. no.1:40-44 '57. (MIRA 11:4)
(Separators (Machines)) (Flotation)

MELIK-STEPANOVA, A.G., inzhener; EARPOVA, N.N., inzhener; CHERNENKO, B.G., kandidat tekhnicheskikh nauk; DAVIIKOV, N.I., inzhener.

Besults of investigating the preparation properties of coals which are difficult to analyse. Nauch.rab. VUGI no.9:68-85 153. (MLRA 7:6)

1. Laboratoriya obogashcheniya ugley. (Coal-Analysis) (Coal-Preparation)

KARPOVA, N.N., aspirant.

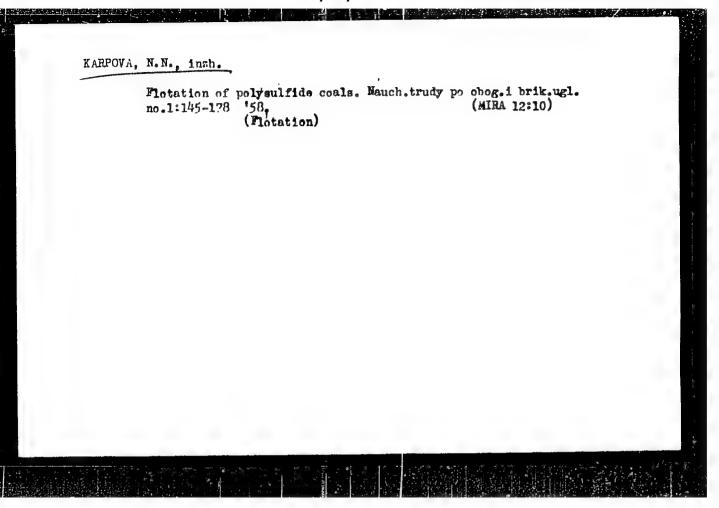
Effect of distribution of mineral impurities in coal on flotation.
Nauch.rab. VUGI no.9:98-110 '53. (MLRA 7:6)

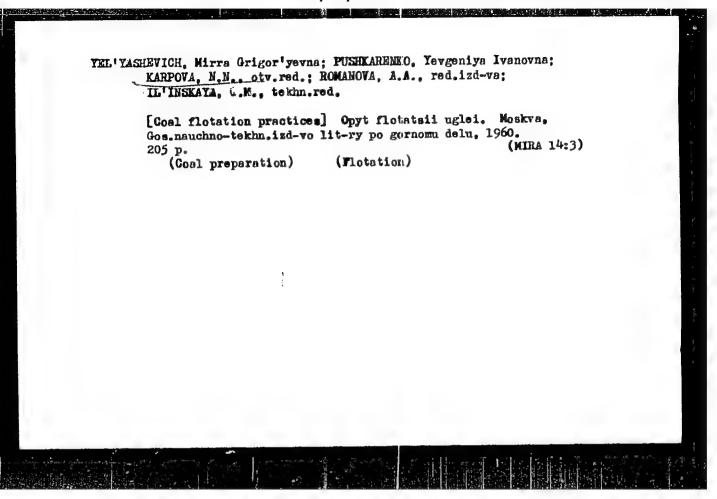
1. Laboratoriya obogashcheniya ugley.
(Coal preparation) (Coal-Analysis)

GORLOV, I.P., ingh.; KARPOVA, N.N., ingh.

Preparation of slime for fletation. Obeg. i brik. ugl. no.5:36-45
158. (MIRA 12:9)

(Ceal preparation) (Fletation)





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STOROZHENKO, Aleksandr Panteleyevich; SOKOLOV, Vladimir Gennadiyevich; KOZLOVA, Neonila Petrovna; GUSAROVA, Mariya Afrikanovna; VORONOV, Kuz'ma Denisovich; KARPOVA, N.N., otv. red.; TURCHENKO, V.K., otv. red.; GARBER, T.N., red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Maintenance of machines in coal-preparation plants] Ukhod sa mashinami na ugleobogatitel nykh fabrikakh. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1961. 258 p. (MIRA 15:1)

(Coal preparation-Equipment and supplies)

SKLOVSKAYA, A.A., otv. red.; DREMAYLO, P.G., ingh., zam. otv. red.; KAMINSKIY, V.S., kand. tekhn. nauk, zam. otv. red.; AVETISYAN, A.N., red.; BRILLIANTOV, V.V., kand. tekhn. nauk, red.; GALIGUZOV, N.S., kand. tekhn. nauk, red.; GORLOV, I.P., red.; GREBENSHCHIKOV, V.P., red.; DAVYDKOV, N.I., red.; ZVENIGORODSKIY, G.Z., red.; KARPOVA, N.N., red.; KOZKO, A.I., red.; MARUSEV, P.A., red.; PONOMAREV, I.V., red.; POPUTNIKOV, F.A., red.; SOKOLOVA, M.S., kand. tekhn. nauk, red.; TURCHENKO, V.K., red.; FILIPPOV, V.A., red.; YUSIPOV, A.A., red.; YAGODKINA, T.K., red.; MIRONOVA, T.A., red. izd-va; LOMILINA, L.N., tekhn. red.; MAKSIMOVA, V.V., tekhn.red.

[Technological trends in coal preparation] Tekhnicheskie napravleniia obogashcheniia uglei. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1963. 120 p. (MIRA 16:10)

1. Gosudarstvennyy proyektno-konstruktorskiy i nauchnoissledovatel'skiy institut po obogashcheniyu i briketirovaniyu ugley. 2. Gosudarstvennyy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut po obogashcheniyu i briketirovaniyu ugley (for Yagodkina, Brilliantov). (Coal preparation)

TSIPRIS, D.B., kand. tekhn. nauk; KARPOVA, N.V., agrenom-ekonomist

Calculation modulus for irrigation systems in the northwest of the R. S. F. S. R. Gidr. i mel. 17 no.2:9-17 F *65. (MIRA 18:5)

1. Severnyy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii.

IGNATENKO, N.; KARPOVA, O., inzh.; PRAVON, E.

Letters to the editor. NTO 3 no.4:51 Ap 161. (MIRA 14:3)

1. Predsedatel' Belgorodskogo oblastnogo prevleniya Nauchno-tekhnicheskogo obshchestva pishchevoy promyallennosti (for Ignatenko).
2. Chlen soveta Nauchno-tekhnicheskogo obshchestva shelkotkatskoy
fabriki, g. Kalinin (for Karpova). 3. Predsedatel' pervichnoy
organizatsii Nauchno-tekhnicheskogo obshchestva kombinata molochnykh
produktov, G. Pyarmi, Estonskoy SSR (for Pravon).

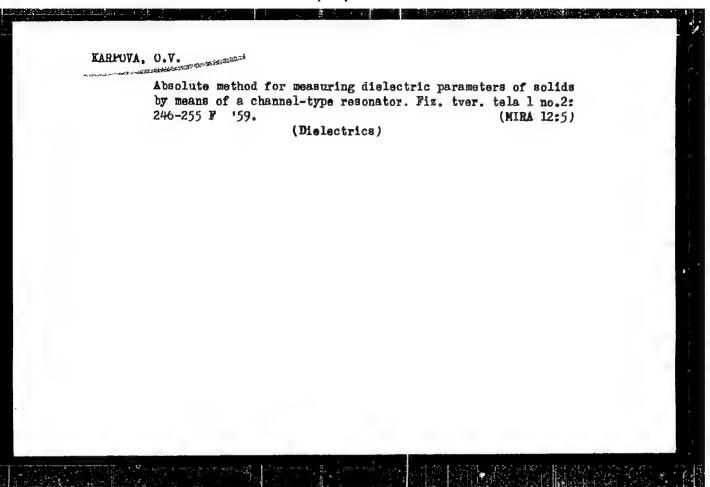
(Technological innovations)

KARPOVA, O. S.

"The Effect of Record-Breaking Rams of the Askaniy Fine Fleece Breed on the Qualitative Improvement of Sheep Production of the Kolkhozes of the Sheep Breeding Farms of the Khersonskaya and __kolayevskaya Oblasts." Cand Agr Sci, Saratov Zooveterinary Inst, Saratov, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55



KARPOVA, 0. V., Candidate Phys-Math Sci (diss) -- "An absolute method of measuring dielectric parameters of solid substances using a u-shaped resonator".

Saratov, 1959. 7 pp (Min Higher Educ USSR, Saratov State U im N. G. Chernyshevskiy),

200 copies (KL, No 24, 1959, 125)

KARPOVA, O.V.

Quartzites containing tourmalines in the western contact of the Kopanskiy and Matkal'skiy gabbro massifs. Izv. AN SSSR. Ser. geol. 29 no.11:45-62 N '64. (MIRA 17:12)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.

KARPOVA, O.V.

Tourmaline from the region of the development of basic rocks in the western slope of the Southern Urals. Trudy Min.muz. no.16:101-133 455. (MIRA 18:8)

S/263/62/000/011/020/022 1007/1207

14.7800 AUTHOR:

Karpoya, O. V.

TITLE:

Absolute method for measuring the relative permittivity (dielectric constant) by means of

а П-resonator

PERIODICAL:

Referativnyy zhurnal, otdel'nyy vypusk. 32. Izmeritel'naya tekhnika, no. 11, 1962, 57-58 abstract 32.11.419. "Nauchn. ezhegodnik Saratovsk. un-t. Fiz. fak. i N.-i. in-t mekhan. i

fiz., 1955". Saratov, 1960, 119-123

TEXT: Cylindrical-cavity rectangular and II-resonators, used for measuring dielectric characteristics, of materials in the microwave band, have a broader tuning range than resonators of other shape. Despite the small sizes and simple shape of specimens that can be measured by the II-resonator, the solution of the resonance equation for various characteristics of the II-resonator is connected with cetrain mathematical difficulties. It is shown that all existing measuring methods using n II-resonator require a preliminary experimental calibration. A resonance equation, based on the Hahn method was obtained for a Π-resonator partly filled with a dielectric, permitting the relative method of measuring electric characteristics of a dielectric, to be transformed into an absolute method. This equation makes it possible to plot for a particular type of resonator the theoretical calibration curve: $\varepsilon = f(\lambda_{res})$. The value of the relative permittivity ε can be found

Card 1/2

Absolute method for measuring the relative...

S/263/62/000/011/020/022 I007/1207

from this curve by measuring the resonance wavelength λ_{res} . Results are reported on determinations of dielectric constants ε for polystyrene, ebonite, sulfur, sodium chloride and titanium dioxide. The values of ε obtained by this method are in good agreement with the data by other authors. The method, whose accuracy (1%) is not affected by the particular shape of the dielectric involved, permits the measurement of large values of dielectric constants (tests were done up to $\varepsilon = 30$).

[Abstracter's note: Complete translation.]

Card 2/2

KALININ, Ye.V.; KARPOVA, O.V.; TSEPAKINA, L.P.

Dependence of the discharge potential of wet insulators on the duration of applied voltage and intensity of the rain. Iav.

NIIPT no.8:343-350 '61. (MIRA 15:7)

(Electric lines---Overhead)

KALININ, Ye.V., kand.tekhn.nauk; KARPOVA, O.V., inzh.; TSEPAKINA, L.P., inzh.

Dependence of the discharge potential of wet insulators on the time duration the insulator being subject to the action of the potential and on the intensity of the rain. Elek.sta. 33 no.2:59-62 F '62.

(MIRA 15:3)

(Electric lines-Overhead) (Electric insulators and insulation)

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EgitNing Ye.V., kund. tekholomauk, dotsent; Karrova, O.V., in h.

shormade in the adjuracy of the measur ment of wet on hange
probabilists at commercial frequencies. Elektrichestvo ou. 13:22626 N tol. (NINE 18:2)

1. Nauchopoisaledovate't'skiy institut postoyannogo tekn.

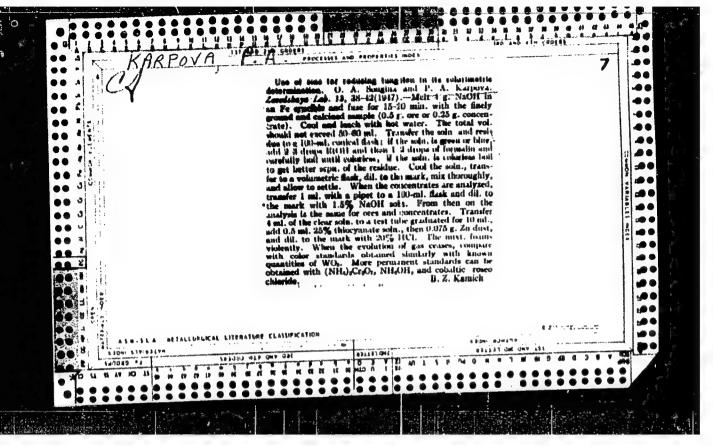
KALININ, Ye.V., kand. tekhn. nauk; KARPOVA, O.V., inzh.

Design of flare-type line insulators and wat discharge potential of suspension insulator chains. Elek. sta. 36 no.6:63-66 Je '65.

(MIRA 18:7)

Extrucks for doffing. Tekst.prom. 21 no.7:28-29 Jl '61.

(MIRA 14:8)



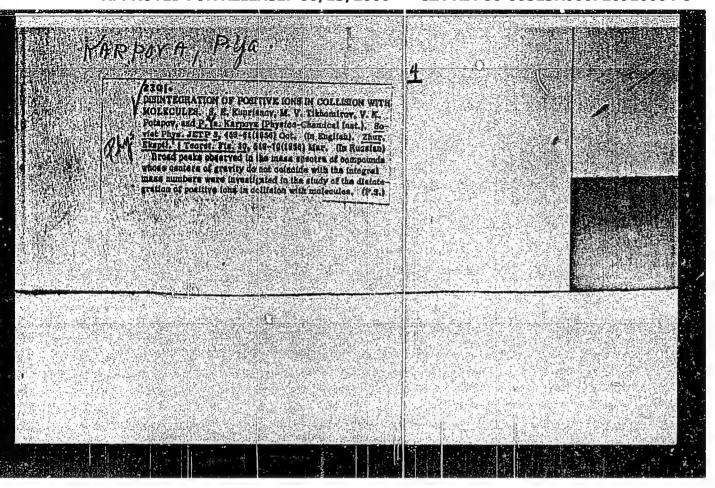
KARPOVA, P. V., Can Med Sci -- (diss) "Anatomy of the Hepatic Bile Ducts in Vertebrates." Stalingrad, 1957. 17 pp. (Stalingrad) State Med Inst), 200 copies. (KL, 7-58, 112)

- 49 -

CRIGORENKO, N.P., kand. med. nauk, otv. red.; LECKOV, A.N., zam. otv. red.; SPERANSKIY, V.S., dots. red.; ZHERDIN, I.V., prof., red.; KARPOVA, L.P., dots., red.; PETROV, K.M., zasl. vrach RSFSR, red.; KARPOVA, P.V., kand. med. nauk, red.

[Papers on the anatomy of the circulatory system] Sbornik nauchnykh rabot po anatomii krovenosmoi sistemy. Volgograd, Nizhne-Volzhskoe knizhnoe izd-vo, 1964. 2 v. (MIRA 18:12)

1. Volgograd. Meditsinskiy institut. 2. Glavnyy vrach Oblastnogo onkologicheskogo dispansera Volgogradskogo meditsinskogo instituta (for Petrov). 3. Kafedra normalinoy anatomii Volgogradskogo meditsinskogo instituta (for Grigorenko, Speranskiy).



8/081/60/000/012(I)/001/002 A006/A001

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 12 (I), p. 86, # 46084

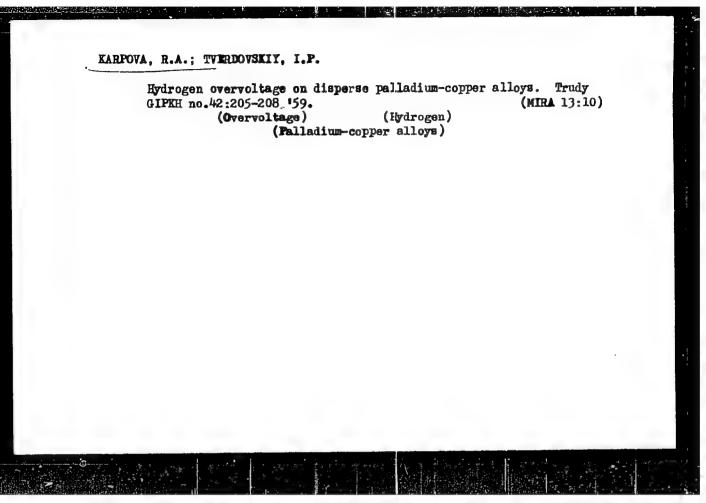
AUTHORS: Tverdovskiy, I.P., Vert, Zh.L., Karpova, R.A., Mosevich, I.A.

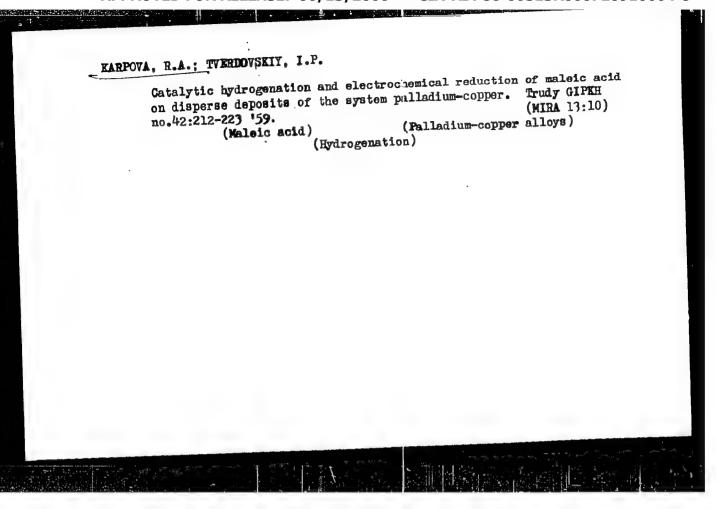
TITLE: On the Solubility of Hydrogen in Alloys of Palladium With Silver, Copper and Gold V

PERIODICAL: Sb. tr. Gos. in-ta prikl. khimii, 1959, No. 42, pp. 182-198

TEXT: The author puts forward a scheme of distribution of electrons and "vacancies" in 4d- and 5s- bands in the Pd- Ag system and in 4d- and s- bands in the Pd-Cu system. Using simulation notions and assuming a limited number of vacancies for hydrogen dissolution in the Pd- Ag, Pd- Cu and Pd- Au systems, isothermal equations of hydrogen dissolution in the alloys are obtained. They serve to determine the magnitude of the chemical potential of hydrogen dissolved Δ μ , and the coefficient ϕ , characterizing the deviation from the ideal state in the Langmuir equation. An equation is obtained for calculating

Card 1/2

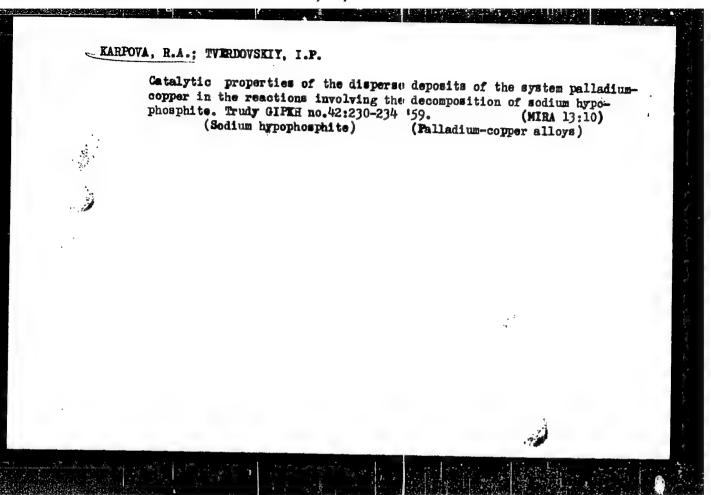




KARPOVA, R.A.; TYERDOVSKIY, I.P.

Caltalytic hydrogenation and electrochemical reduction of dimethylacetylenylcarbinol on disperse deposits of the system palladium-copper. Trudy GIPEH no.42:224-229 159. (MIRA 13:10)

(Palladium-copper alloys) (Hydrogenation)



5(4), 18(7)

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AUTHORS:

Karpova, R. A., Tverdovskiy, I. P.

TITLE:

Sorption of Hydrogen by Disperse Palladium-copper Alloys (Sorbtsiya vodoroda dispersnymi splavami palladiy - med')

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 6,

pp 1393-1400 (USSR)

ABSTRACT:

In previous papers (Refs 1-3) it was ascertained that in binary alloys Pd - Pt, Pd - Ni and Pd - Ag the sum of dissolved hydrogen and metal in palladium in the two-phase range until the disappearance of stagnation on the curves $Q - \varphi$ (caused by the α - β conversion) always remains equal to the quotient between the number of free spots in the α -band and the total number of atoms of the alloy or of the Pd, and is about 0.53. The present paper investigates the sorption and heat of solution of the hydrogen in disperse Pd-Cu alloys at room temperature (24°C). The sorption was measured according to a method worked out by reference 8, and the working process was already described (Ref 1). The Q- φ curves were measured at 24°, and current densities from 5.10-4 to

2.10⁻³ a/cm². The curves obtained (Fig !) show distinctly the influence of Cu on the total solubility of H₂ in the alloy. The latter decreases regularly and attains the zero value at

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Jeperse ralladium-copier Ailoy, the of differential discrete of the of differential discrete of the of a function of the change "APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720910004-8 ulearpowering at core of is constituted by the state of the function of the state of the function of the state of the function of the function of the state of the function of the state of the function of the state Sorphion of Hydrogen by Disperse Palladium-copyer Nations The further results and the process of transition and the magnetic magnetic and the magnetic Cosudar stvenny institut prikladnoj khimii sheningrad

(State Institut: of Applied Chamistry, Leningrad) December :3, 1057 ASSOCIATION: SUBMITTED: Card 2 2 D FOR RELEAS

KARPOVA, R. A., Cand Chem Sci (diss) -- "Electrochemical and catalytic properties of dispersion alloys of palladium and copper". Leningrad, 1960. 11 pp (Leningrad Order of Lenin State U im A. A. Zhdanov), 225 copies (KL, No 14, 1960, 127)

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1273 Les 1274 54700

S/081/61/000/014/008/030

B106/B110

AUTHORS:

Tverdovskiy, I. P., Mosevich, I. A., Vert, Zh. L., Karpova,

TITLE:

Overvoltage of hydrogen separation and catalytic properties of disperse Pd-Cu, Pd-Ag, and Pd-Au alloys

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 14, 1961, 87, abstract 146607. (Sb. tr. Gos. in-ta prikl. khimii, no. 46, 1960,

TEXT: The values of η on disperse Pd-Cu, Pd-Ag, and Pd-Au alloys were compared with their catalytic activities to clarify the relationship between the hydrogen overvoltage η on metals and the processes of electrochemical reduction and catalytic hydrogenation of organic compounds. For the systems studied, the dependence of η (or the constant a of the Tafel equation) on the alloy composition is characterized by two sections appearing on each curve; the η -value begins rising strongly only after addition of 70 - 75% of the second component to the palladium. The absolute η -values are similar for Pd-Cu and Pd-Ag alloys over the whole range of compositions; on Pd-Au

Card 1/2

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1273 also 1274

AUTHORS:

PERIODICAL:

Vert, Zh. L., Karpova, R. A., Kosheleva, T. V., Tverdovskiy,

Overvoltage of hydrogen separation on disperse Pd-Ni alloys

TITLE:

Referativnyy zhurnal. Khimiya, no. 14, 1961, 87, abstract 14B606. (Sb. tr. Gos. in-ta prikl. khimii, no. 46, 1960,

TEXT: The results of measurement of the hydrogen overvoltage 7 on disperse THAT: The results of measurement of the hydrogen overvoltage y on disperse Pd-Ni alloys in 0.8 N NaOH at 24°C are described over a wide range of i by the Tafel equation (coefficient b = 0.14 - 0.15 v). The value of γ at constant i rises on Pd-Ni transition, and is independent of the alloy composition in the ranges with the following nickel contents (in %): 0-25, 25-75, 75-100. An investigation of the sorption of hydrogen by disperse Pd-Ni alloys (RZhKhim, no. 1, 1954, 192) has shown that the extension of the first range coincides with the complete filling of the d-level of Pd with electrons. It is assumed that the symmetrical position of the ranges

Card 1/2

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Overvoltage of hydrogen separation on ...

27211 \$/081/61/000/014/007/030 B106/B110

with constant η -value as dependent on the alloy composition is related with the uniform structure of the external electron levels in Pd and Ni. The curve for the dependence of η on the distance between adjacent metal atoms in the alloys also shows sections with constant η -values. [Abstracter's note: Complete translation.]

Card 2/2

s/081/61/000/014/005/050 B106/B110 1273 also 1274 Karpova, R. A., Tverdovskiy, I. P. Electrochemical behavior of powdery zirconium Referativnyy zhurnal. Khimiya, no. 14, 1961, 86, abstract 145597. (Sb. tr. Gos. in-ta prikl. khimii, no. 46, 1960, 261 - 267) 5.4700 AUTHORS: TEXT: The authors plotted anodic and cathodic charge curves on an TITLE: TEXT: The authors plotted anodic and cathodis charge curves on an electrode molded of powdery zirconium during polarization by currents electrode molded of powdery in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 500 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 100 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 100 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 100 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, 90, and 100 m in 1 N solutions of H₂SO₄, Na₂SC₄, and NaOH with i = 15, PERIODICAL: at 24°C. Without polarization, the steady potential lies near 0.00 with respect to the potential of a reversible hydrogen electrode in with respect to the potential of a reversible hydrogen electrode in the game solution. In anodic polarization of 7% with a correct in anodic polarization of 7% with a correct in anodic polarization. with respect to the potential of a reversible hydrogen electrode in the gome in same solution. In anodic polarization of Zr with a current i gome in the region of the notantial of another than the region of the notantial of an another than the region of the notantial of a reversible hydrogen electrode in the same solution. In anodic polarization of Zr with a current i = 90 in in 1 N H₂SO₄, ϕ does not change in the region of the potential 0.250-0.300 v. This flat part of the curve is well reproducible with respect to v. This flat part of the curve is well reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the value of the potential \$\phi\$, but badly reproducible with respect to the potential \$\phi\$, but badly reproducible with respect to the potential \$\phi\$, but badly reproducible with respect to the potential \$\phi\$, but badly reproducible with respect to the potential \$\phi\$. the value or the potential φ , but badly reproducible with respect duration. Further polarization leads to a quick increase of φ to card 1/2 APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720910004-8"

27209 S/081/61/000/014/005/030 B106/B110

Electrochemical behavior ...

0.850 - 0.900 v, then the changes of ϕ are negligible (second flat part). With an amperage i = 500 μ a, the first flat part does not appear, and ϕ quickly attains the value of 1.4 - 1.6 v. The authors assume that the first flat part corresponds to a setting of oxygen with formation of an unstable oxide compound, the second flat part to the formation of $2r0_2$.

In solutions of NaOH and Na₂SO₄, the first flat part is missing, while the second one appears at 0.400 - 0.450 v and 0.700 v, respectively. In both forward and reverse direction, the anodic charge curves show a large hysteresis due to the irreversibility of the oxidation process of the surface. In anodic charge curves, recorded after plotting the cathodic charge curves, the second flat part did not appear [Abstracter's note: it should probably read "second" (vtoroy) instead of "hydrogen" (vodorodnoy)]. [Abstracter's note: Complete translation.]

Card 2/2

Electrochemical oxidation of hydrogen of dispersed Pd-Pt alloys.
Trudy GIPKH no.49:183-191 '62.

Electrochemical reduction of oxygen or dispersed Pd-Pt alloys.
Ibid.:192-200 (MIRA 17:11)

TYLEROCVOKIY, I.F.; VART, Ch.L.; KAR.OVA, R.A.: LIBERS, S.V.; POSRVICE, I.A.; OTHERSEE, A.I.

Hydrogen evolution evervoltage on cormin palladium alleys as dependent on the interatomic distance. Trucy GIPKE no.49:210-214 [MIRA 17:11]

TVERDOVSKIY, I.P.; KARFOVA, R.A.

Catalytic hydrogenation and electrochemical reduction of maleic acid on Pd-Pt alloys. Trudy GIPKH no.49:215-223 162.

Decomposition of li202 on dispersed precipitates of the Pd - Ni system. Ibid.:224-229

Catalytic hydrogenation and electrochemical reduction of dimethylacetylenylcarbinol on dispersed Fd-Ni alloys. Ibid.:230-233

Catalytic decomposition of sodium hypophosphite on dispersed Pd-Pt alloys. Ibid.:234-237

Catalytic hydrogenation of maleic acid on a membrane palladium electrode. Ibid.:238-243

(MIRA 17:11)

L 12648-63 BDS/EWP(q)/EWT(m) AFFIC/ASD JD/HW-2 ACCESSION NR: AP3002699 S/C080/63/036/005/1040/1045

AUTHOR: Tverdovskiy, I. P.; Vert, Zh. L.; Karpiva, R. A.; Mosevich, I. A. and Catetsenko, A. I.

TITIE: Electrochemical extraction of dispersed binary alloys of palladium with metals of groups 8 and 18

SOURCE: Zhurnal prikladnoy khimii, v. 36, no. 1, 1963, 1040-1045

TOPIC TAGS: palladium, binary alloy, Pt, Rh, Au, Ni, Cu, Co, Fe

ABSTRACT: In examining the physico-chemical and catalytic properties of palladium-base binary alloys electrolytic methods of extraction of mixed dispersed predipitations of systems Pd-Pt. Fd-Rh. Ed-Au were used. Abnormal results were obtained only for the system Pd-Ni, when the introduction of nickel in palladium at 30-35% was not accompanied by a change in lattice constant. In the zone of richer neckel the sizes of the elementary cell of dispersed alloys coincided approximately with parametell of the compact forms according to data of Hultgren and Zapfe (Trans. A.J.M.R. 133, 1939,58). Use of solutions on the basis of nitrite group of palladium permitted extracting alloys Pd-Cu. Pd-Ni. Pd-Co and Pd-Fe not only by joint electrolysis, but also by chemical precipitation by means of reduction of metal ions by formate or sodium hypophosphite, hydrazine salts, etc. Orig. art. has:

Cord 1/2/ Association: St. Inst. of Applied Chemistry

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720910004-8

ACC NR: AT6032031

SOURCE CODE: UR/3225/64/000/010/0004/0034

AUTHOR: Landyreva, N. S. (Group leader); Karpova, T. B.; Bafonova, A. M.;

Ul'yashina, V. A.

ORG: none

TITLE: Seismology bulletin of the network of permanent seismological stations of the USSR

SOURCE: AN SSSR. Institut fiziki Zemli. Seysmologi'cheskiy byulleten' seti opornykh seysmicheskikh stantsiy SSSR, no. 10, Oct. 1964. Moscow, 1965, 4-34

TOPIC TACS: seismology, earthquake, seismologic station, epicenter, origin time, seismicity, seismographic record

ABSTRACT: The present bulletin provides the data on earthquakes recorded by permanent seismological stations in the Soviet Union during October 1964. It has been pre-

ABSTRACT: The present bulletin provides the data on earthquakes recorded by permanent seismological stations in the Soviet Union during October 1964. It has been prepared by the Seismology Service Department of the Institute of Physics of the Earth of the Academy of Sciences USSR. The bulletin consists of sections I and II, each of which is subdivided into subsections a and b. The data in subsections Ia and Ib include the origin time of the earthquakes (Greenwich time), the epicenter, class of accuracy (for class A and class B earthquakes the error in determining the epicenter does not exceed 25 and 50 km, respectively), the magnitude determined from the

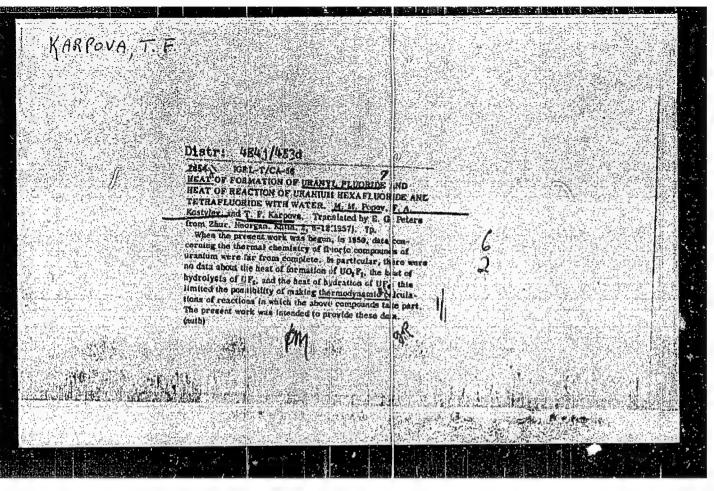
Card 1/2

L 47461-66 ACC NR: AT6032031

surface waves, and the region where the earthquake occurred. Subsections Ib and IIb contain the detailed data on the earthquakes; wave arrival time at the various permanent seismological stations, direction of displacement, i.e., compression or rarefaction, maximum amplitudes of ground vibration and the corresponding period and the distance to the epicenter. Section Ia contains data on earthquakes within the USSR, excluding the Soviet Far East, with M ≥ 4, and the data on earthquakes in the Soviet Far East and the regions bordering the Soviet Union (up to 200 km from the border) with $M \geq 5.5$. Subsection Ib contains the data on earthquakes within the USSR, excluding the Soviet Far East, with M > 4.5 and the data for Soviet Far East, regions bordering the Soviet Union, and the Kurile-Kamchatka arc with M ≥ 5.5. Section II contains the data on distant earthquakes. Subsection IIa contains the data on earthquakes in Europe and Asia with $M \ge 5$ and the data on earthquakes in the rest of the world with M ≥ 5.5. Subsection IIb contains more detailed data on earthquakes in Europe and Asia with $M \ge 5.5$ and the data on earthquakes in the rest of the world with M 2 6. A list of permanent seismological stations, the data from which were used in the bulletin, includes their geographic location, type of instruments used, and the addresses of the institutes; it is published twice a year in issues number 1 and 7. A special issue published annually contains detailed data on parameters and frequency-amplitude characteristics of the instruments. Orig. art. has: 4 tables [BA]

SUB CODE: 08/ SUBM DATE: none

Card 2/2 lah



SOV/120-59-1-30/50

AUTHORS: Senin, M. D., Morozov, Yu. M., Karpova, T. F.

TITLE: Gas Balance with a Magnetic Arrester (Gazovyye vesy s magnitnym arretirom)

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 1, pp 125-127 (USSR)

ABSTRACT: In the determination of the isotopic composition of hydrogen or the density of radioactive gases by means of gas balances (Refs 1-3) the gases under investigation may become contaminated by vacuum grease used in the seals of the arresting devices. The present paper describes quartz gas balances in which this disadvantage is removed. They are arrested by means of a permanent magnet. The sensitivity of the balance

is 4.4 x 10⁻⁸ g/cm³ (change in the density per scale division). The balance is illustrated in Fig 1. The balance beam 2 is 230 mm long and is prepared from fused quartz rods 1.5 mm in diameter. It is in the form of a very narrow triangle. A hollow quartz sphere is attached to one end of this triangle. In the working position the triangle rests on two corundum pins 13 as shown in Fig 1. The distance from the centre of the sphere to these pins is 95 mm. The weight of the sphere is 1.6 g and its volume 29 cm³. It is balanced by a quartz

SOV/120-59-1-30/50

Gas Balance with a Magnetic Arrester

sphere bearing a pointer. The total weight of the beam is 5 g. The balance is brought into action by the arrester lever 14 which rests on two supports 3. The arrester is operated by means of an external magnet. There are 2 figures and 10 references, of which 3 are German, 2 are Soviet and the rest are English.

SUBMITTED: January 8, 1958.

Card 2/2

L 19614-65 EWT (m) / EPF (a) / EWF (j) / T Pc-4/Pr-4

ACCESSION NR: AP5003219

\$/0062/64/000/007/1230/1233

AUTHOR: Ivanov, B. Ye.; Karpova, T. I.

TITLE: Synthesis and properties of & -oxymethylphosphinic and dimethylolphosphinic

BM

acid

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 7, 1964, 1230-1233

TOPIC TAGS: chemical reaction, organic phosphorus compound

ABSTRACT: When paraform is added to phosphoric acid, its salts, or salts of hypophosphoric acid, of -oxymethylphosphinic acid and its salts are formed together with salts of dimethylolphosphinic acid at a 90-93% yield. The aniline salt of the monoacetate of dimethylolphosphinic acid has melting point of 109-144° and that of the diacetate of dimethylolphosphinic acid -- 143-146°. Both the mono- and diacetates of dimethylphosphinic acid are syrupy liquids, readily soluble in water and alcohol. They were characterized by their smiline salts.

Card 1/2

L 19614-65 ACCESSION AR: AP5003219		
ASSOCIATION: Institut organiches of Organic Chemistry, Academy of	koy khimii Akademii nauk S Sciences, SSSR)	SSR Kazan' (I <u>nstituts</u>
SUBMITTED: 03Dec62	ENCL: 00	SUB CODE: OC.GC
NO REF SOV: 000	OTHER 003	JPRS <
Card 2/2		

KARPOVA, T. M.

Karpova, T. M.

"The distribution, numberical development, and migration of certair harmful insects in multi-field crop rotation." Gor'kiy State U. Chair of Darwinism and Genetics. Gor'kiy, 1956. (Dissertation For the Degree of Candidate in Biological Sciences.)

Knizhnaya letopis' No 21, 1956. Moscow.

KARPOVA, T. M.

PHASE I BOOK EXPLOITATION

sov/3688

Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya. Seminar po kachestvu poverkhnosti

Kachestvo poverkhnosti detaley mashin, sbornik 4. Tekhnologicheskiye faktory obrabotki. Metrologiya i pribory. Ekspluatatsionnyye svoystva poverkhostnogo sloya (Surface Quality of Machine Parts, Collection of Articles, No. 4. Processing Factors in Machining. Metrology and Instruments. Operational Properties of the Surface Metrology and Instruments. Operational Properties of the Surface Layer) Moscow, Izd-vo AN SSSR, 1959. 291 p. (Series: Its: Trudy) Errata slip inserted. 3,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.

Resp. Ed.: P.Ye. D'yachenko, Professor; Ed. of Publishing House: G.B. Gorshkov; Tech. Ed.: T.P. Polenova.

PURPOSE: This collection of articles is intended for technical personnel concerned with the quality of surface finishes of machine parts.

Card 1/7

Surface Quality (Cont.)

SOV/3688

13

32

COVERAGE: This collection of articles deals with problems of surface roughness and the effect of surface roughness on the wear and strength of machine parts. Among the topics discussed are the development of international standards for surface roughness, the effect of cutting feeds and cutting-tool vibration on the surface roughness of machined parts, the effect of lay direction on the wear of plane friction surfaces, methods and instruments for measuring surface roughness, and the processing of profilograms of finished surfaces. No personalities are mentioned. References follow several of the articles.

TABLE OF CONTENTS:

D'yachenko, P.Ya., V.E. Vaynshteyn, and T.M. Karpova. Development of a Draft of the International Standards for Surface Roughness 3

Chestnov, A.L. (Deceased). Effect of Sliding Velocity and Surface Roughness of Journal on the Wear of Sliding-Contact Bearings

Puzankov, V.V. Investigation of the Optimum Surface Roughess of Sliding Pairs

Card 2/7

Kerrove, T. H., Liyachesko, P. Ye., and Tolkick wit, H. M.

*Determination of the Actual Area of Contact of Contacting Surfaces | p 46

Sulhoye i granichnoye treniye. Friktsionnyye materialy (ury and Boundary Friction. Friction Haterials) No. com, Ind-vo AN COSR, 1960. 302 p. Errata slip inserted. 3,500 copies printed. (Series: Its: Trudy, v. 2)

Spontoring Agency: Akademiya nouk Stak. Institut masninavedeniya.
Resp. Ed.: I. V. Kragel'skiy, bostor of Technic: 1 Sciences,
Professor; Ed. of Publishing house: K. I. Grigorich; Tech.
Ed.: S. G. Tikhomirova.

The collection published by the Institut magazinoveloniya, AR SSSR (Institute of Science of Machines, Andemy of Sciences USSA) contains papers presented at the ILI Vsesoyuznaya konferentsiya po traniyu i iznosu v mashinakh (Third All-Union Conference on Friction and Wear in Machines, April 9-15, 1957.

D'YACHENKO, Petr Yefimovich, doktor tekhn.nsuk, prof.; TOLKACHEVA,
Nina Nikolayevna; ANDREYEV, Gavriil Alekseyevich; KARPOVA.

Tamara Mikhaylovna; BANKVITSER, A.L., red.izd-va; GOLUB', S.P.,
tekhn. red.

[Area of actual contact of mating surfaces] Ploshchad' fakticheskogo kontakta sopriazhennykh poverkhnostei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 94 p. (MIRA 16:6) (Surfaces (Technology))

KHRUSHCHEV, S.V., dotsent; KARPOVA, T.M.

Physical education of senior students. Zdrav.Ros.Feder. 7 no.1:42 Ja *63. (MRA 16:2)

1. Iz Ivanovskogo meditsinskogo instituta.
(PHYSICAL EDUCATION AND TRAINING)

SOKOLOV, Viktor Aleksendrovich; KARPOVA, T.V., red.; POPOVA, S.M., tekhn. red.

[I¹³², the short-lived iodine isotope] Korotkozhivushchii izotop ioda - J¹³². Moskva, Gosatomlzdat, 1963. 21 p.

(MIRA 16:10)

(Iodine isotopes)

LEVIN, Valentin Il'ich; KA:FOVA, T.V., red.

[Radioactive manganese] Radioaktivny: marganets. Moskva, Atomizdat, 1964. 12 p. (MIRA 17:5)

RARPOVA, T.V., red.

[Radioactive beryllium isotopes Be⁷ and Bl⁰] Radioaktivnye izotopy berillia Be⁷i Be¹C. Moskva, Atomizdat, 1964. 22 p. (MIRA 17:6)

LEVIN, Valentin Il'ich; KARPOVA, T.V., red.; POPOVA, S.M., tekhn. red.

[Radioactive krypton and xenon isotopes] Radioaktivnye izotopy kriptona i ksenona. Moskva, Atomizdat, 1964. 25 p. (MIRA 17:3)

KOZLOV, Vladimir Fedorovich; KARFOVA, T.V., red.

[Photographic dosimetry of ionizing radiations] Fotograficheskaia dozimetriia ioniziruiushchikh izluchenii.

Moskva, Atomizdat, 1964. 154 p. (MIRA 17:10)

BOGDANKEVICH, Oleg Vladimirovich; BUKOLAYEA, reidrikh Niekseyovich; KARFOVA, T.V., red.

[Experiments with a last of bremsstrahlung; methodological characteristics of physical research on electron accelerators] Rabota's puchkom tormoznogo izlucheniia; osobennosti metodiki fizicheskikh issledovanii na elektronnykh uskoriteliakh. Mosskva, Atomizdat, 1964. 246 p. (MIRA 17:10)

BEREZUMA, Nina Strkhaylovna; EUADS, A.E., ros.; EMBOLT, N.C.;
red.

[Radiation of farm crop seems befor cowing) iredizescence
oblushente seemian sel'skokhozimistvermyah rasiemila Messkvin, Atomizist, 1954. 210 p. http://doi.org/1952.

1. Oblos-korresvondent AH GESK (for tavin).

YEVSEYEVA, L.S.; FOMINA, N.P.; KARPOVA, T.V., red. [Oxidation-reduction properties of uranium-bearing sedimentary rocks] Okislitel'no-vosstanovitel'nye svoistva osadochnykh uranonosnykh porod. Moskva, Atomizdat, 1965.
66 p. (MIRA 18:3)

66 p.

CIA-RDP86-00513R000720910004-8" APPROVED FOR RELEASE: 06/13/2000

KOTEGOV, Kim Veniaminovich; PAVLOV, Gleg Nikolayevich; SHVEDOV,
Vladimir Fetrovich; KARPOVA, T.V., rel.

[Technetium] Tehnetsii. Moskva, Atomizdet, 1965. 1.9 p.
(MIRA 18:7)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720910004-8

L 47462-66 ENT(1) CW

ACC NR: AT6032032

SOURCE CODE: UR/3225/64/000/011/0004/0030

AUTHOR: Landyreva, N. S. (Group leader); Karpova, T. B.; Safonova, A. M.; Ul'yashina. V. A.

341

ORG: none

TITLE: Seismology bulletin of the network of permanent seismological stations of the USSR

SOURCE: AN SSSR. Institut fiziki Zemli. Seysmologicheskiy byulleten' seti opornykh seysmicheskikh stantsiy SSSR, no. 11, Nov. 1964. Moscow, 1965, 4-30

TOPIC TAGS: seismology, earthquake, seismologic station, epicenter, origin time, seismicity, seismographic record

AESTRACT: The present bulletin provides the data on earthquakes recorded by permanent seismological stations in the Soviet Union during November 1964. It has been prepared by the Seismology Service Department of the Institute of Physics of the Earth of the Academy of Sciences USSR. The bulletin consists of sections I and II, each of which is subdivided into subsections a and b. The data in subsections Ia and Ib include the origin time of the earthquakes (Greenwich time), the epicenter, class of accuracy (for class A and class B earthquakes the error in determining the epicenter does not exceed 25 and 50 km, respectively), the magnitude determined from the

Card 1/2

L 47462-66

ACC NR AT6032032

surface waves, and the region where the earthquake occurred. Subsections Ib and IIb contain the detailed data on the earthquakes: wave arrival time at the various permanent seismological stations, direction of displacement, i.e., compression or rarefaction, maximum amplitudes of ground vibration and the corresponding period and the distance to the epicenter. Section Ia contains data on earthquakes within the USSR, excluding the Soviet Far East, with M ≥ 4, and the data on earthquakes in the Soviet Far East and the regions bordering the Soviet Union (up to 200 km from the border) with M ≥ 5.5. Subsection Ib contains the data on earthquakes within the USSR, excluding the Soviet Far East, with M > 4.5 and the data for Soviet Far East, regions bordering the Soviet Union, and the Kurile-Kamchatka are with M ≥ 5.5. Section II contains the data on distant earthquakes. Subsection IIa contains the data on earthquakes in Europe and Asia with M > 5 and the data on earthquakes in the rest of the world with M ≥ 5.5. Subsection IIb contains more detailed data on earthquakes in Europe and Asia with $M \ge 5.5$ and the data on earthquakes in the rest of the world with M 2 6. A list of permanent seismological stations, the data from which were used in the bulletin, includes their geographic location, type of instruments used, and the addresses of the institutes; it is published twice a year in issues number 1 and 7. A special issue published annually contains detailed data on parameters and frequency-amplitude characteristics of the instruments. Orig. art. has: 4 tables.

SUB CODE: 08/ SUBM DATE: none/

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720910004-8"

KARPOVA, V.I

USSR/Nuclear Physics - Nuclear capture of mesons

FD-2879

Card 1/2

Pub. 146 - 16/26

Author

: Zamchalova, Ye. A.; Karpova, V. I.; Tret'yakova, M. I.

Title

: Nuclear capture of negative heavy meson

Periodical

Zhur. eksp. i teor. fiz., 29, August 1955, 245

Abstract

In type-P photoplates with emulsion thickness 300 microns irradiated in the stratosphere, the authors found a case where the visible flight path of one particle (photograph in the original) amounts to as much as 495 microns. According to a measurement of ionization and scattering along the trace, the photograph shows clearly that the particle was stopped at a certain point A from which proceed two tracks: one gray one and one very short black one about 1 micron. The presence of the short black track testifies to the nuclear capture of a primary particle which thus can be either a negative pi-meson or a heavier negative particle. Another particle exited from the emulsion after traversing a path of 674 microns, its ionization amounting to 3.2+0.3 of minimum ionization; hence it follows that the first mentioned particle is heavier than a pi-meson, since if one even assumes the second particle to be a proton then its energy must be about 200 Mev. A proton of such energy cannot be created during nuclear capture

Card 2/2

FD-2879

of a pi-meson. The mass of the second particle turns out to be 350+200·me; therefore it must be a pi-meson, and hence its energy is about 30 Mev. Similarly, the mass of the first particle must be between pi-meson and proton, all of which indicates nuclear capture of the stopped negative heavy meson. Thanks I. M. Gramenitskiy and M. I. Podgoretskiy.

Institution

: Physics Institute im. P. N. Lebedev, Academy of Sciences USSR

Submitted

: April 18, 1955

KARPOVA, V.I.; MALLITSKIY, V.A.

Tissue structure of the skin of southern Kazakh Merino sheep of the Aral Sea region type. Trudy Inst. eksp. biol. AN Kazakh. SSR. 1:108-117 '64. (MIRA 18:4)

KARPOVA, V. I.

37476. CHAGIROV, I. A. 1 KARPOVA, V. I. Kharakteristika Kozhno-volosyanogo Pokrova Ovets Arkharomerinos. Izvestiya Akad. Nauk. Kazakh. SSR, No. 71, Seriya Biol., vyp. 5, 1949, c. 121-24.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

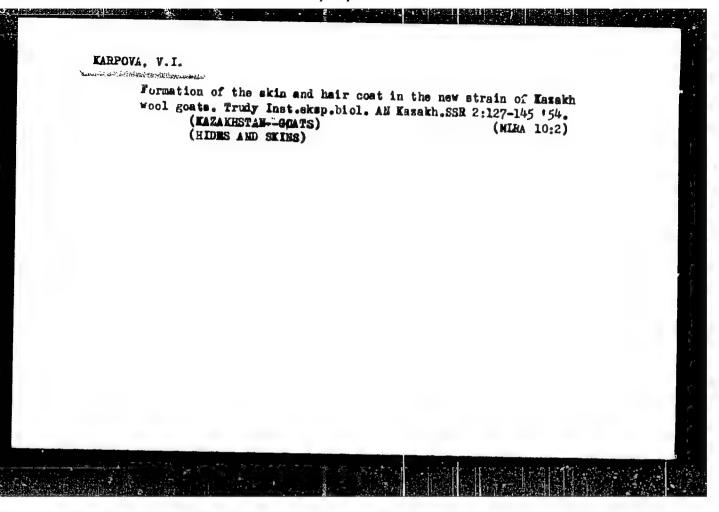
2823 Karbova, V. I.

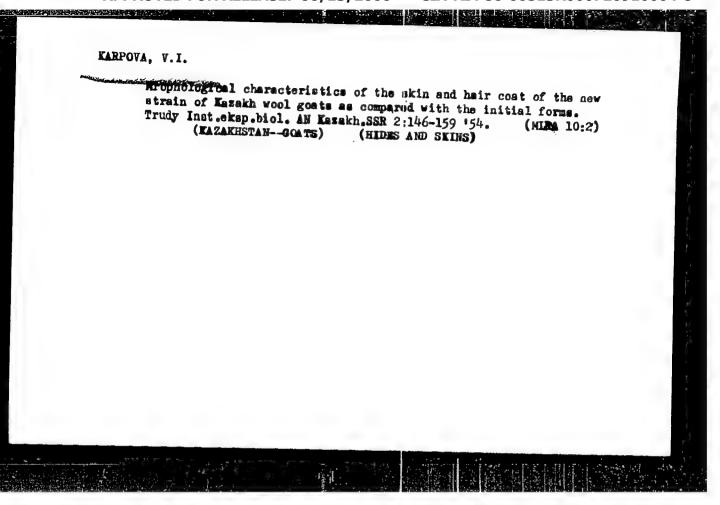
Morfologicheskaya Kharakteristika kozhno-bolosyenogo pokrova novykh porod koz i ovets sravnitelvno s ikh: iskhodnymi formami.Alma-ata, 1954. 12 s. 22 sm. (Akad. nauk kazakh. SSR. in-t Eksperim. Biologii. Laboratoriya morfologii S. kh. Zhivotnykh) 100 EKZ. B. Ts. -- (54-55730)

KARPOVA, V.I.

SESSEE SELECTION OF THE PROPERTY OF THE PROPER

Morphological characteristics of the skin and wool coat of Kazakh fine-wool sheep as compared with the initial forms. Trudy Inst.eksp. biol. AN Kazakh.SSR 2:51-63 *54. (MIRA 10:2) (KAZAKHSTAN-SHMAP BREEDS) (HIDMS AND SKINS)





KUKHARKOVA, L.L., starshiy nauchnyy sotrudnik; LAVROVA, L.P., kand.

tekhn. nauk; SOLOV'YEV, V.I., kand. khim. nauk; FREYDLIN, Ye.M.,
kand. veter. nauk; PEROVA, P.V., kand. veter. nauk; SADIKOVA, I.A.,
kand. biol. nauk; KRYLOVA, V.V., starshiy rauchnyy sotrudnik;
BUSHKOVA, L.A., starshiy nauchnyy sotrudnik; RYNDINA, V.P.,
starshiy nauchnyy sotrudnik; TRUDOLYUBOVA, G.B., starshiy
nauchnyy sotrudnik; KARGAL'TSEV, I.I., assistent; MIKHAYLOVA,
A.Ye., mladshiy nauchnyy sotrudnik; EARPOVA, V.I., mladshiy
nauchnyy sotrudnik; POLETAYEV, T.N., mladshiy nauchnyy sotrudnik;
MERKULOVA, V.K., mladshiy nauchnyy sotrudnik

Directed use of microorganisms for the improvement of the quality of sausage products. Report No. 1. Trudy VNIIMP no.16: 64-75 64. (MIRA 18:11)

1. Kafedra tekhnologii Moskovskogo tekhnologicheskogo instituta myasnoy i molochnoy promyshlennosti (for Kargalitsev).

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ACCESSION NRI APSOI	18581	UR/0242/64/000	/010/0066/006	
IUTHOR: Karpova, V.	L. Bogdanova, L. 1.		9	
FITLE: Aerosol tree	tment of bronchial eaths	m with bronecholytic dr	Programme To the country of the	
	ly shurnel Usbekistens, I			
IOPIC TAGS: seroso	l, respiratory system dient, antibiotic	icano, respiratory drug,	experiment	
betract: The artic	cle describes serosol tro	stment of brouchlat as	hma with	
composition: 2 ml o	combination with desensi C 24% theophylline, 1 wi	of 2% papaverine hydrod	hioride,	
l ml of 1% ephedring	s hydrochloride, l ml of onic lung diseases were p	5% as orbic acid and I	mi of is	
and streptomycin di	ssolved in Sml of a 0.59	L novo:aine solution we	re added	
to the treatment Inhaled once a day	A V-200 portable aerosol or twice special	apparitus was used, and case: with an interval	Patients	
minutes. Trestment	was stopped when the par Lven to 13 mgn and 14 wor	tient's asthma stlacks	eased.	
age; 13 had auffered	i with bronchiel esthma	for 1-5 years; the other	s had	
	. Asthma attacks ceased	in all pacients; in 13	arcer	
Card 1/2				

CCESSION NR: AP5018581			o	
treatments, in 10 after 7, an eatment-diminished wheesing, unber of leukocytes and easing	normalized body	temerature, reduce	1 tue	
2,200-2,800.				
ASSOCIATION: none				
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io ref sov: 000	OTHER 0	oo JPR		
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card 2/2				

DMITRIYEVA, G.V.; KARPOVA, V.M.

Operative calculation of precipitation amounts for Moscow.
Trudy TSIP no.83:42-44, '59. (MIRA 12:5)

(Moscow--Precipitation (Nateorology))

I AND LOCAL OR STOLEN FOR SECURISHED AND A SECURISH PARTY.

%/011/62/019/007/005/005 E112/E453

AUTHORS: Lykov, M.V., Inozemtsev, I.D., Karpova, V.M.

TITLE: Protection of petroleum tankers by anticorrosion paints

PERIODICAL: Chemie a chemická technologie. Prěhled technické a

hospodářské literatury, v.19, no.7, 1962, 323, abstract Ch 62-4401. (Lakokras materialy, v.2, no.2,

1962, 34-40)

TEXT: The resistance of surface coating materials against the action of liquid fuels, particularly petroleum and against corrosion by atmospheric effects, were investigated under laboratory conditions. Techniques of applying anticorrosion paints to the inner surfaces of the tanks and containers were developed, particularly for containers which have to resist the action of fuels and lubricants. Methods were verified by practical application tests. The tested materials included stoving enamels and air drying lacquers. A method for sand-blasting the inner surfaces of the containers was developed and an equipment for their spraying with anticorrosion paint, heated to Card 1/2

\$/081/62/000/018/020/059 B226/B186

AUTHORS:

Lyllov, h. V., Inozemtsev, I. D., Karpova, V. L.

TITLE:

Anti-corrosion protection of mobile containers for petroleum

products

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 18, 1962, 307, abstract 18I170 (Lakokrasocha. materialy i ikh primeneniye, no. 2, 1962,

34 - 40)

TEXT: A number of petrol-resistant heat-dried and naturally-dried paint and varnish materials have been developed to protect the internal surfaces of containers from corrosion. A technological process for applying such coatings to these surfaces is described. [Abstracter's note: Complete translation.

Card 1/1

LYKOV, M.V.; INOZEMTSEV, I.D.; KARPOVA, V.M.

Anticorrosive protection of mobile tanks for petroleum products.

Lekokras.mat.i ikh prim. no.2:34-40 '62. (MIRA 15:5)

(Protective coatings) (Petroleum—Storage)